

CLAIMS

1. A friction material for a synchronizer ring, comprising (A) a petroleum coke with an ash content of 0.1 mass% to 8 mass% or (B) a pitch coke with an ash content of 5 mass% to 8 mass%.

2. The friction material for a synchronizer ring according to claim 1, wherein the petroleum coke is (C) a calcined petroleum coke with an ash content of 0.1 mass% to 1 mass%.

3. The friction material for a synchronizer ring according to claim 1, wherein the pitch coke is (D) a foundry coke with an ash content of 5 mass% to 8 mass%.

4. The friction material for a synchronizer ring according to any one of claims 1 to 3, wherein not less than 50 mass% of the particles of the petroleum coke or the pitch coke has a particle diameter of 0.1 to 0.5 mm.

5. The friction material for a synchronizer ring according to any one of claims 1 to 4, comprising 30 mass% to 80 mass% of the petroleum coke or the pitch coke in the friction material.

6. The friction material for a synchronizer ring according to any one of claims 1 to 4, comprising 50 mass% to 75 mass% of the petroleum coke or the pitch coke in the

friction material.

7. The friction material for a synchronizer ring according to any one of claims 1 to 6, further comprising
5 10 mass% to 30 mass% of a thermosetting resin, 5 mass% to 40 mass% of inorganic fibers and/or inorganic particles.

8. The friction material for a synchronizer ring according to any one of claims 1 to 7, further comprising
10 not more than 5 mass% of graphite.

9. The friction material for a synchronizer ring according to any one of claims 1 to 8, further comprising not more than 10 mass% of metal fibers and/or not more than
15 10 mass% of metal particles.

10. The friction material for a synchronizer ring according to any one of claims 1 to 9, wherein the thermosetting resin is a novolac type phenolic resin.

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11. A friction material for a synchronizer ring, comprising 30 mass% to 80 mass% of (C) a calcined petroleum coke with an ash content of 0.1 mass% to 1 mass% or (D) a foundry coke with an ash content of 5 mass% to 8 mass%,
25 based on the whole materials; 10 mass% to 30 mass% of a thermosetting resin; 5 mass% to 40 mass% of inorganic fibers and/or inorganic particles; and not more than 5 mass% of graphite, wherein not less than 50 mass% of the particles of the calcined petroleum coke or the foundry

coke has a particle diameter of 0.1 to 0.5 mm.

12. A wet friction material, comprising 30 mass% to 80 mass% of (C) a calcined petroleum coke with an ash content 5 of 0.1 mass% to 1 mass% or (D) a foundry coke with an ash content of 5 mass% to 8 mass%, based on the whole materials; 10 mass% to 30 mass% of a thermosetting resin; 5 mass% to 40 mass% of inorganic fibers and/or inorganic particles; and not more than 5 mass% of graphite, wherein 10 not less than 50 mass% of the particles of the calcined petroleum coke or the foundry coke has a particle diameter of 0.1 to 0.5 mm.